

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046997

Luminaire Tested: 22PTR-25-PW1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PW1-L935-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

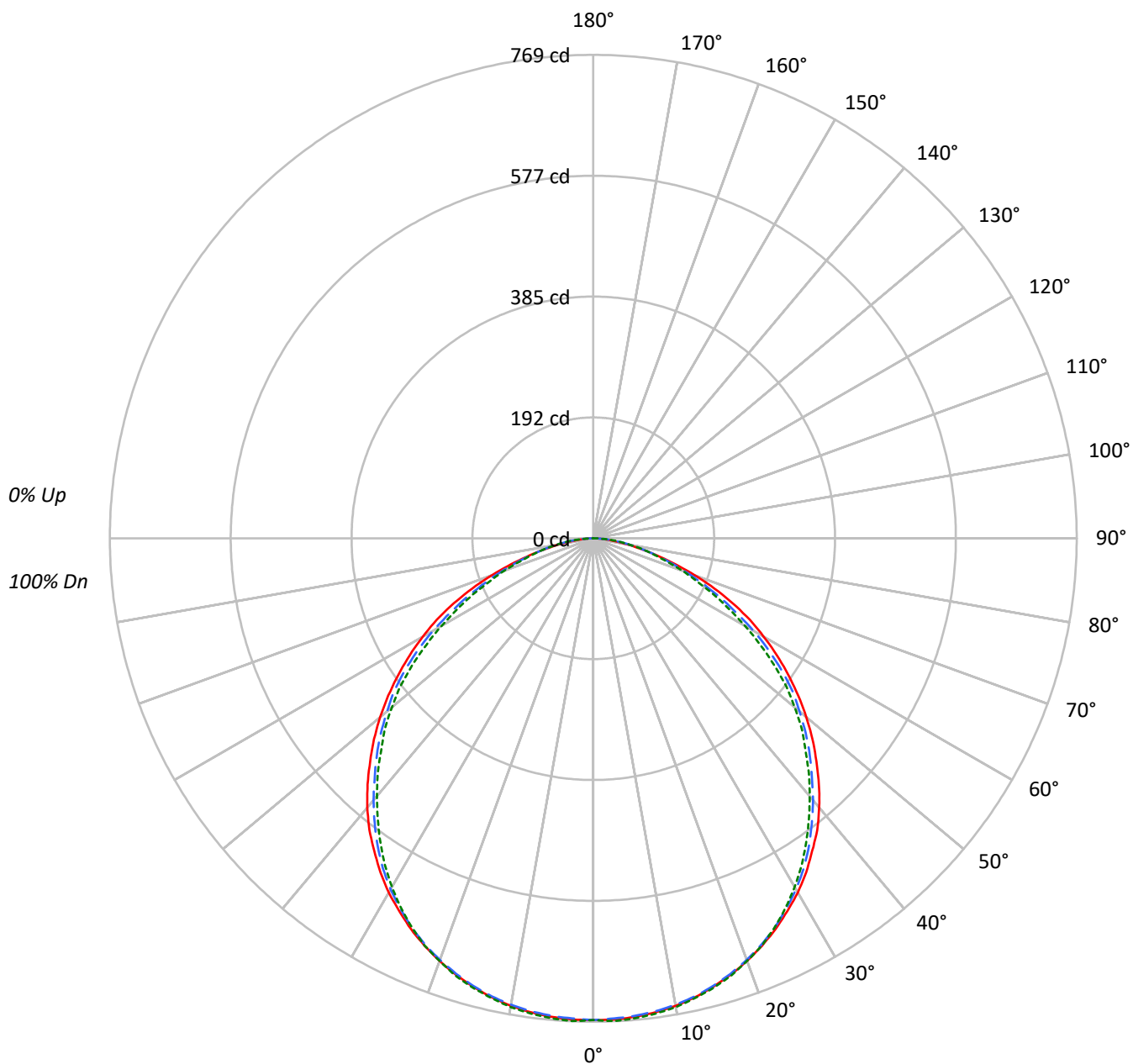
Lumens per Lamp: N/A
Luminaire Lumens: 2034.1 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1046997

CATALOG NUMBER: 22PTR-25-PW1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046997

CATALOG NUMBER: 22PTR-25-PW1-L935-UNV-STD-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1046997

CATALOG NUMBER: 22PTR-25-PW1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	3.6
10°-20°	208.5	10.2
20°-30°	315.1	15.5
30°-40°	374.1	18.4
40°-50°	376.9	18.5
50°-60°	325.8	16.0
60°-70°	222.7	10.9
70°-80°	109.8	5.4
80°-90°	28.4	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	596.3	29.3
0°-40°	970.4	47.7
0°-60°	1673.2	82.3
0°-90°	2034.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2034.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	764	764	763	766	766	73
15°	738	739	737	740	740	208
25°	686	686	683	684	683	316
35°	607	605	598	593	590	380
45°	502	496	487	481	477	387
55°	378	377	366	355	351	338
65°	244	236	222	212	211	241
75°	104	103	101	101	99	113
85°	20	23	25	26	25	24
90°	0	0	0	0	0	

TEST NUMBER: P1046997

CATALOG NUMBER: 22PTR-25-PW1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.5	766.5	766.5	766.5	766.5
2.5°	766.3	766.5	764.5	767.9	768.7
5°	764.2	764.5	762.6	765.7	766.5
7.5°	760.6	761.1	758.8	761.9	762.6
10°	755.1	755.4	753.5	756.6	757.2
12.5°	747.8	748.0	746.4	749.1	749.1
15°	738.4	739.2	737.3	739.9	740.1
17.5°	727.9	728.2	726.2	729.0	729.6
20°	715.4	715.4	713.7	716.0	715.4
22.5°	701.5	701.5	699.5	700.6	701.2
25°	686.2	685.6	683.3	683.9	682.8
27.5°	668.5	668.5	664.5	664.5	662.6
30°	650.7	649.2	645.0	642.4	640.5
32.5°	630.1	628.2	622.8	618.3	616.8
35°	607.2	605.2	598.1	592.7	590.4
37.5°	585.1	580.5	571.1	565.8	563.2
40°	559.1	553.5	543.9	536.4	535.3
42.5°	531.4	526.8	514.4	508.9	507.5
45°	501.9	496.4	487.0	481.3	477.1
47.5°	472.9	468.8	458.1	451.3	449.9
50°	442.4	439.0	428.0	420.7	418.1
52.5°	410.9	408.7	399.3	389.9	386.8
55°	378.3	377.2	365.5	354.7	351.0
57.5°	346.2	344.8	330.2	317.8	314.4
60°	312.7	308.5	294.2	282.6	278.9
62.5°	280.9	271.8	256.5	247.4	243.1
65°	244.5	235.7	222.1	212.4	211.0
67.5°	208.8	198.3	187.7	181.7	177.2
70°	171.5	164.4	156.5	151.4	150.6
72.5°	136.8	131.8	127.8	124.7	122.1
75°	103.6	102.8	101.3	101.3	98.6
77.5°	76.2	78.1	79.3	78.9	79.6
80°	52.8	56.8	59.0	59.3	59.0
82.5°	33.5	38.1	41.8	42.3	42.9
85°	19.6	23.0	25.3	25.8	25.3
87.5°	8.8	11.0	11.7	12.2	11.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)